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Appendix B.18

LTE Band 71



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SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

11F, Unit D, Building 1, Kanghong Orange Science Park, No.137, Keyuan 3rd Road, Fengdong New Town, Xi'an, Shaanxi, China 710086
中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元11层 邮编: 710086

t (86-29) 6282 7885 www.sgs.com
t (86-29) 6282 7885 sgs.china@sgs.com

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.37	25.22	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.3	25.15	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.24	25.09	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	24.37	25.22	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.39	25.24	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.31	25.16	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.34	25.19	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	24.12	24.97	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.33	25.18	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.29	25.14	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.26	25.11	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	24.34	25.19	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.41	24.26	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.5	24.35	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.5	24.35	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.33	23.18	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.66	24.51	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.64	24.49	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.61	24.46	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.44	23.29	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.47	24.32	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.53	24.38	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.38	24.23	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.33	23.18	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	22.38	23.23	34.77	PASS



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn

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Band71	5MHz	64QAM	133147	1RB#12	22.42	23.27	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.41	23.26	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	21.34	22.19	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.61	23.46	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	22.6	23.45	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	22.5	23.35	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.44	22.29	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	22.5	23.35	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.53	23.38	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.32	23.17	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.33	22.18	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.38	25.23	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.3	25.15	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.29	25.14	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	24.13	24.98	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.31	25.16	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.38	25.23	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.36	25.21	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	24.15	25	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.15	25	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.37	25.22	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.29	25.14	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	24.11	24.96	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.53	24.38	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.47	24.32	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.47	24.32	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.46	23.31	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.47	24.32	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.57	24.42	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.53	24.38	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.45	23.3	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.73	24.58	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.5	24.35	34.77	PASS



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中国·西安·沣东新城科源三路137号康鸿橙方科技园1号楼D单元1层 邮编: 710086

t (86-29) 6282 7885 www.sgsgroup.com.cn
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Band71	10MHz	16QAM	133422	1RB#49	23.4	24.25	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.4	23.25	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	22.44	23.29	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.43	23.28	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.47	23.32	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.46	22.31	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	22.42	23.27	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	22.51	23.36	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.52	23.37	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.45	22.3	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	22.59	23.44	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	22.54	23.39	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	22.43	23.28	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	21.38	22.23	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.12	24.97	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.3	25.15	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.23	25.08	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	24.12	24.97	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.36	25.21	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.11	24.96	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.12	24.97	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	24.39	25.24	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.39	25.24	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.11	24.96	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.25	25.1	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	24.27	25.12	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.58	24.43	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.42	24.27	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.48	24.33	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.37	23.22	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.51	24.36	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.57	24.42	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.66	24.51	34.77	PASS



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Band71	15MHz	16QAM	133297	75RB#0	22.38	23.23	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.75	24.6	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.49	24.34	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.4	24.25	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.28	23.13	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	22.5	23.35	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.46	23.31	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.38	23.23	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.4	22.25	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.45	23.3	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.61	23.46	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.52	23.37	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.38	22.23	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.59	23.44	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.56	23.41	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	22.34	23.19	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.29	22.14	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.12	24.97	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.26	25.11	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.31	25.16	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	24.36	25.21	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.1	24.95	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.33	25.18	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.26	25.11	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	24.39	25.24	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.17	25.02	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.17	25.02	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.19	25.04	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	24.33	25.18	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.6	24.45	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.44	24.29	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.5	24.35	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.31	23.16	34.77	PASS



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Band71	20MHz	16QAM	133322	1RB#49	23.68	24.53	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.45	24.3	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.38	23.23	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.73	24.58	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.75	24.6	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.35	24.2	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.38	23.23	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	22.57	23.42	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	22.42	23.27	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.54	23.39	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.35	22.2	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	22.49	23.34	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	22.59	23.44	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	22.42	23.27	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.4	22.25	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	22.59	23.44	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	22.66	23.51	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.33	23.18	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.39	22.24	34.77	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	5.38	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.16	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.26	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.10	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.04	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.12	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.48	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.40	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.50	13	PASS



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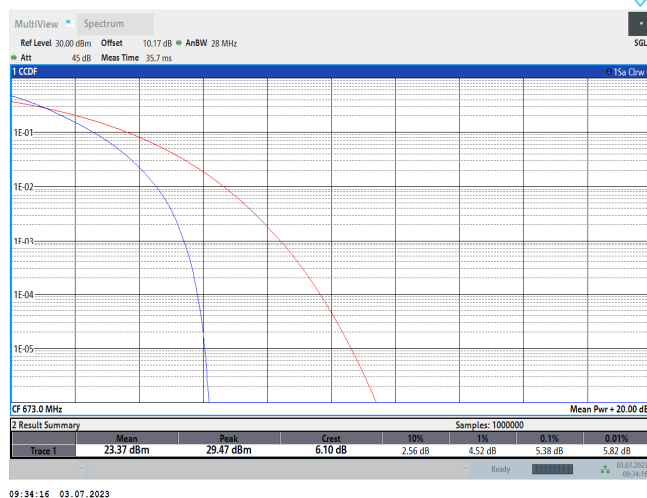
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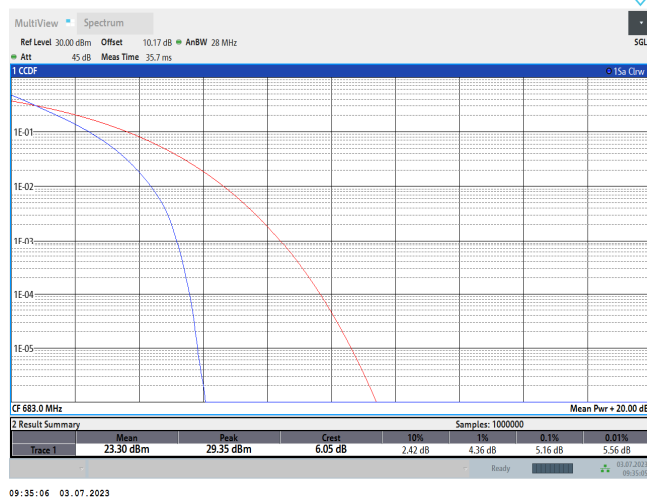
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Test Graphs

Band71-20MHz-QPSK-133222-100RB#0



Band71-20MHz-QPSK-133322-100RB#0



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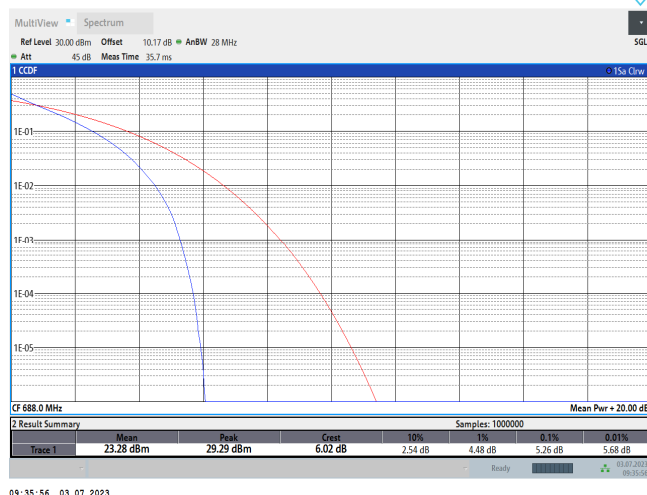
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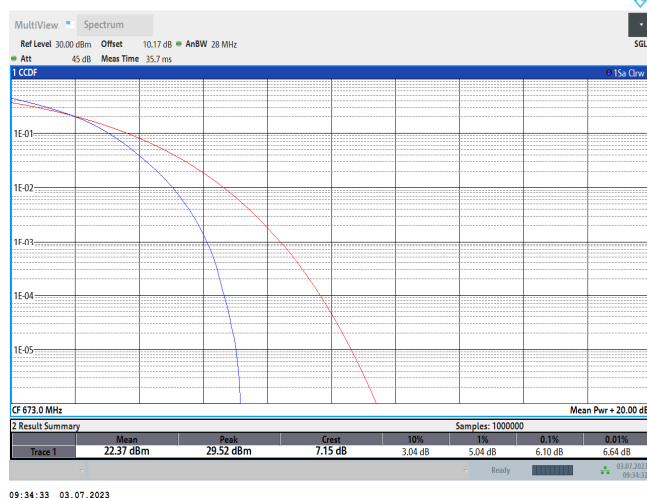
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Band71-20MHz-QPSK-133372-100RB#0



Band71-20MHz-16QAM-133222-100RB#0



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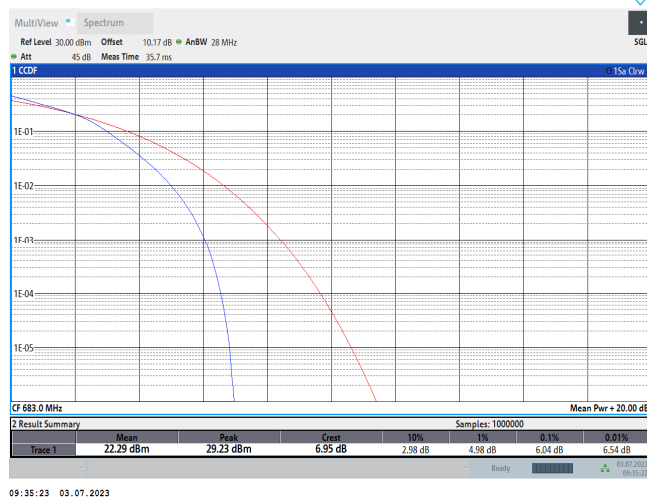
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Band71-20MHz-16QAM-133322-100RB#0



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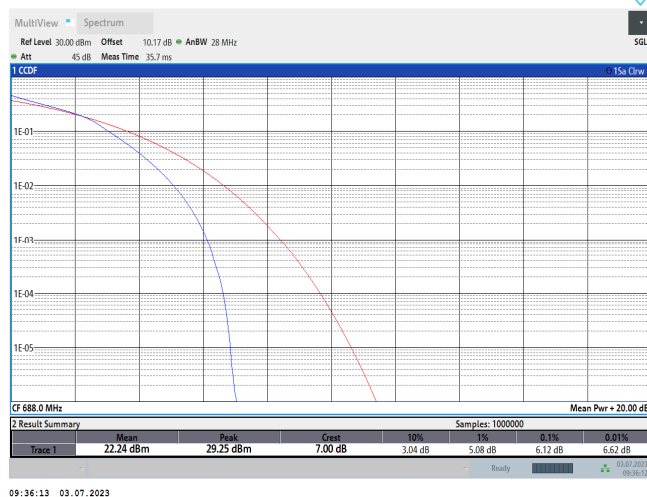
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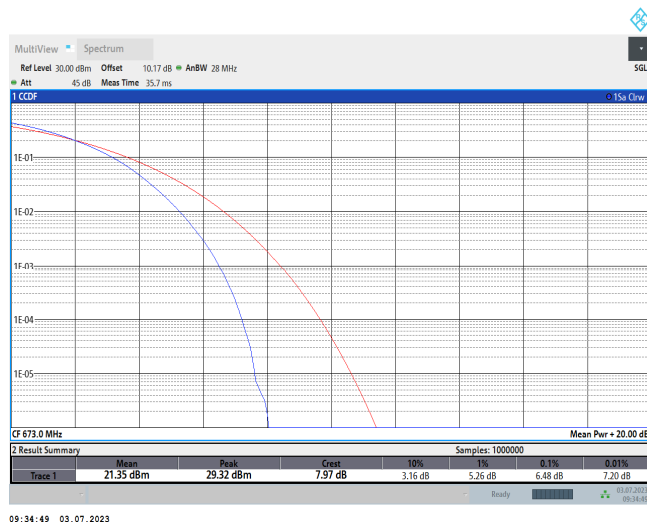
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Band71-20MHz-16QAM-133372-100RB#0



Band71-20MHz-64QAM-133222-100RB#0



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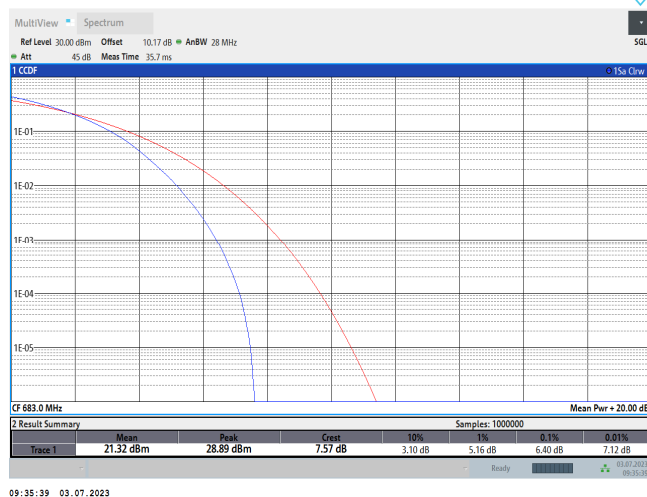
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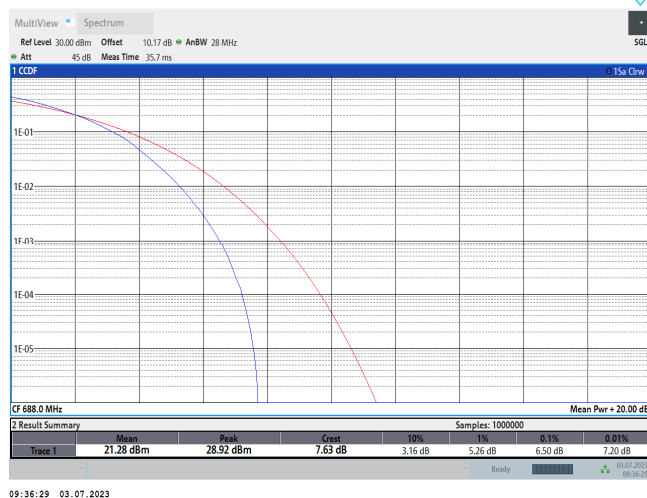
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Band71-20MHz-64QAM-133322-100RB#0



Band71-20MHz-64QAM-133372-100RB#0





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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band71	20MHz	QPSK	133322	100RB#0	PASS	PASS
Band71	20MHz	16QAM	133322	100RB#0	PASS	PASS
Band71	20MHz	64QAM	133322	100RB#0	PASS	PASS



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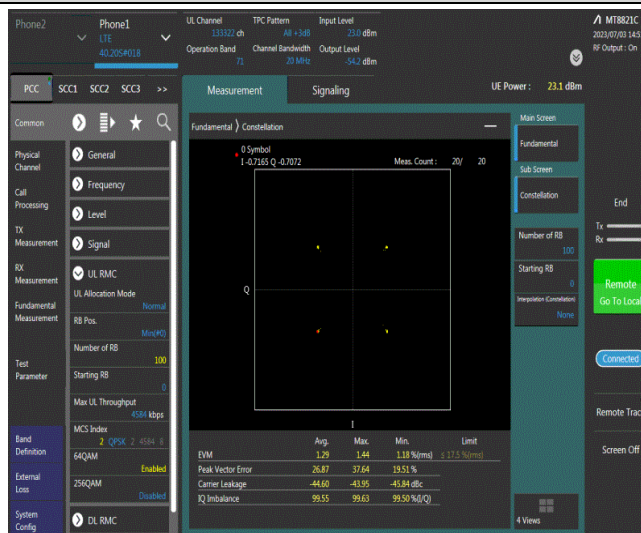
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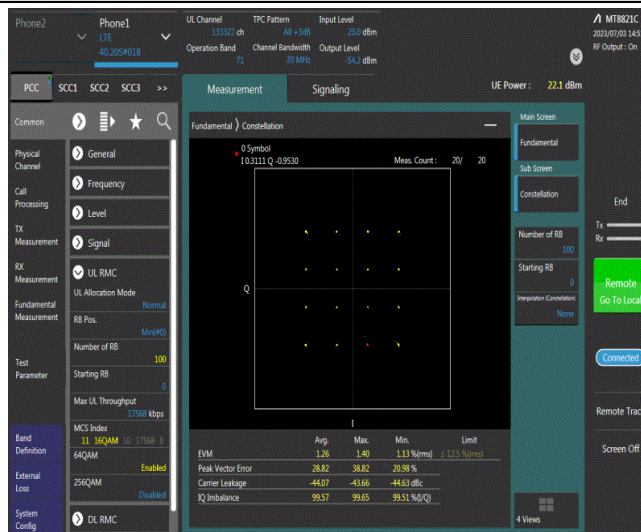
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Test Graphs

Band71-20MHz-QPSK-133322-100RB#0



Band71-20MHz-16QAM-133322-100RB#0



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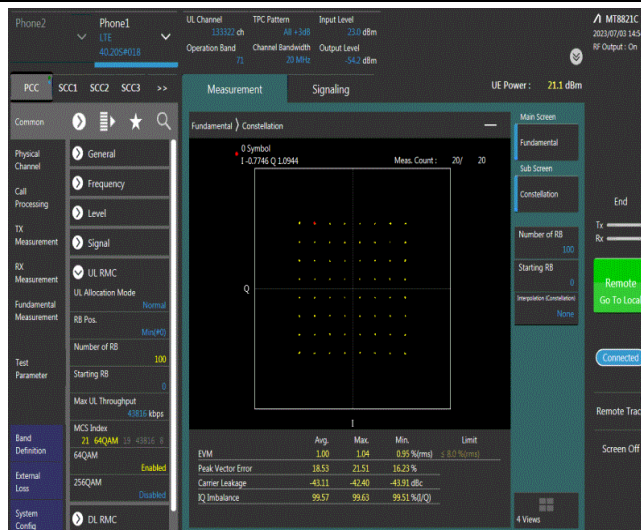
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.463	4.86	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.473	4.88	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.473	4.87	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.466	4.89	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.473	4.91	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.469	4.92	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.475	4.87	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.483	4.90	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.478	4.90	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.912	9.58	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.922	9.60	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.934	9.64	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.907	9.60	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.911	9.62	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.917	9.62	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.923	9.60	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.93	9.66	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.927	9.64	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.469	14.70	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.409	14.61	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.477	14.73	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.456	14.85	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.405	14.79	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.455	14.76	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.439	14.73	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.386	14.76	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.425	14.70	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.928	19.44	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.867	19.44	PASS



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Band71	20MHz	QPSK	133372	100RB#0	17.917	19.40	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.879	19.28	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.876	19.32	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.878	19.44	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.874	19.36	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.844	19.32	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.897	19.40	PASS



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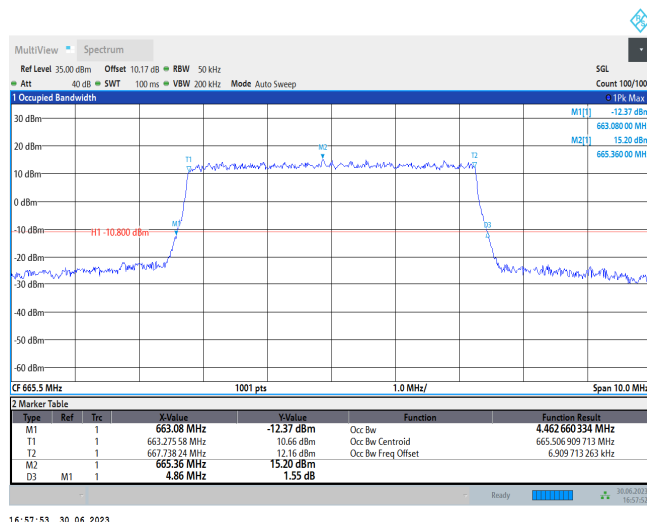
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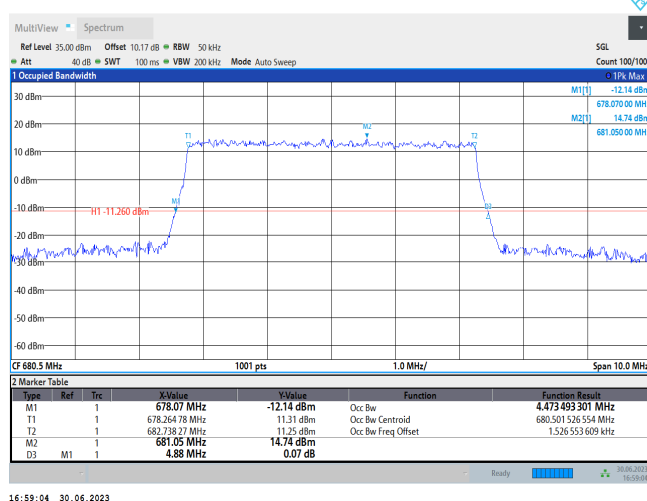
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Test Graphs

Band71-5MHz-QPSK-133147-25RB#0



Band71-5MHz-QPSK-133297-25RB#0

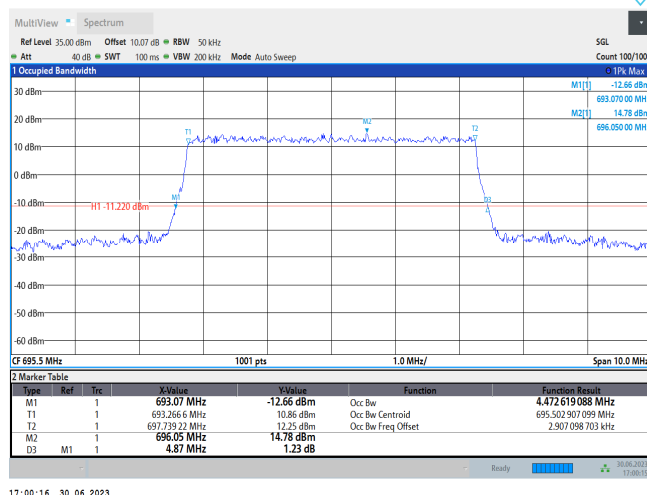


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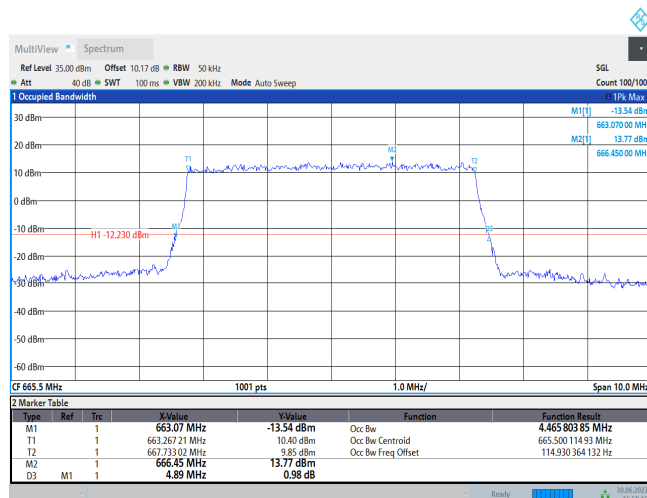
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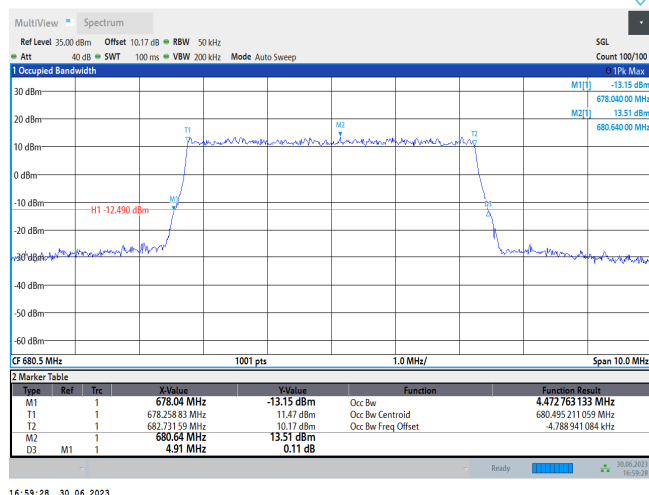
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Band71-5MHz-16QAM-133297-25RB#0



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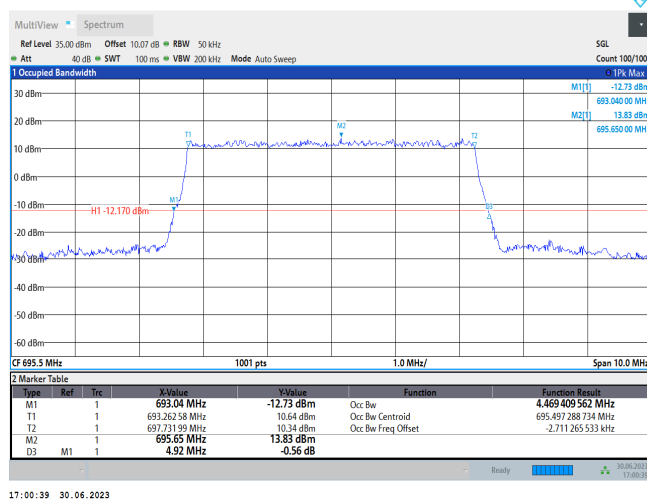
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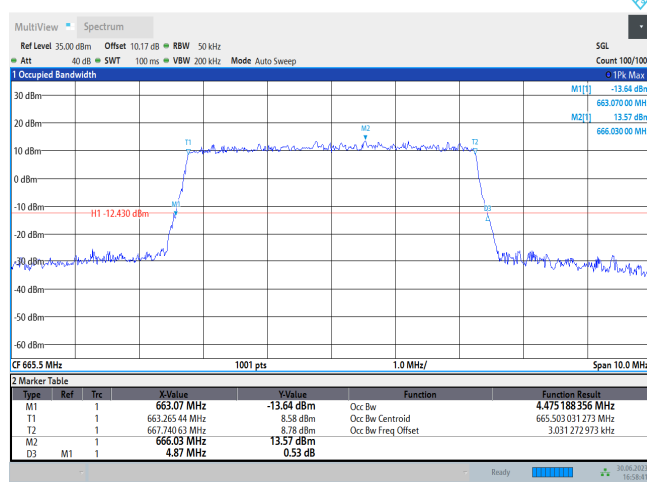
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Band71-5MHz-16QAM-133447-25RB#0



17:00:39 30.06.2023

Band71-5MHz-64QAM-133147-25RB#0



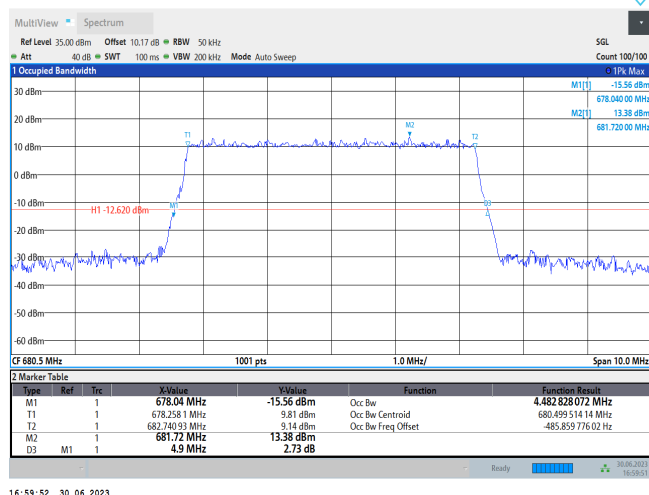
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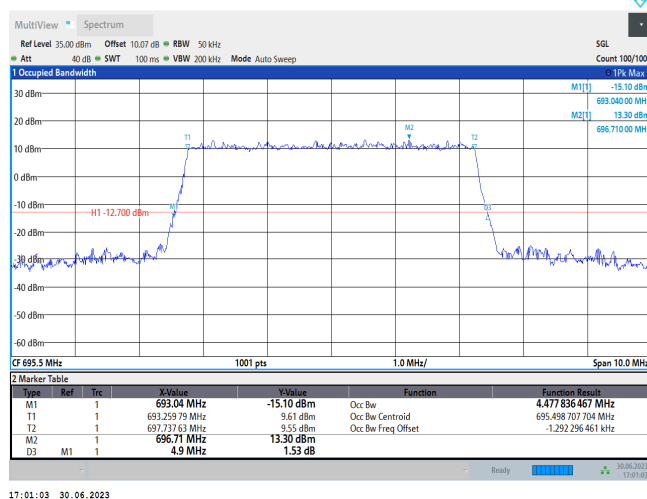
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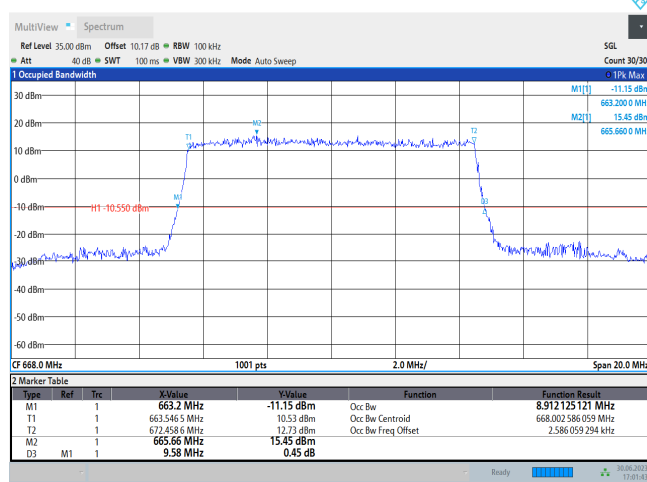
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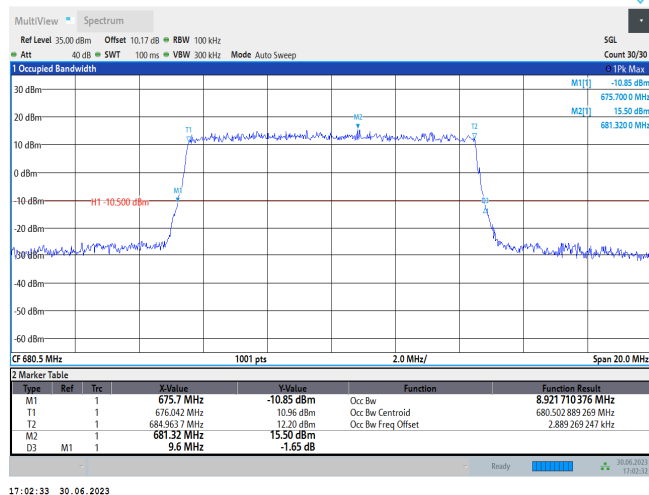
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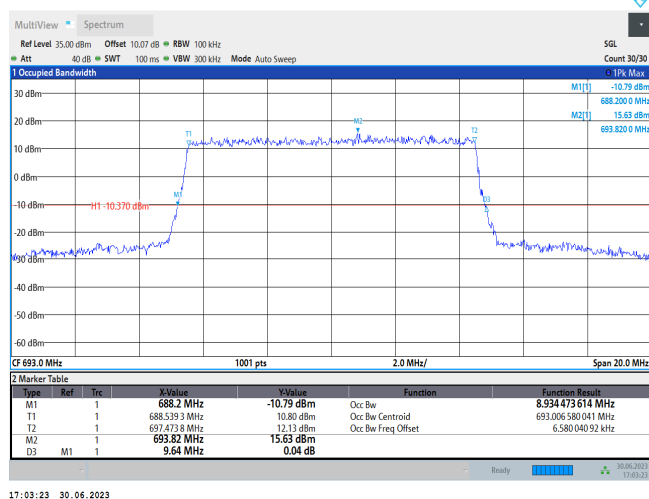
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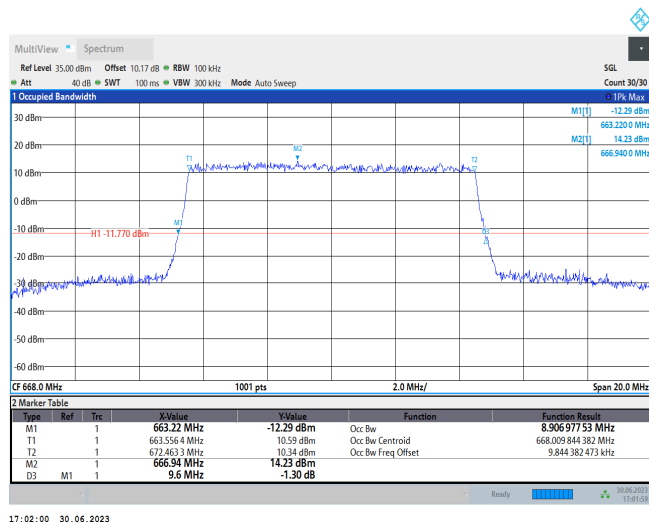
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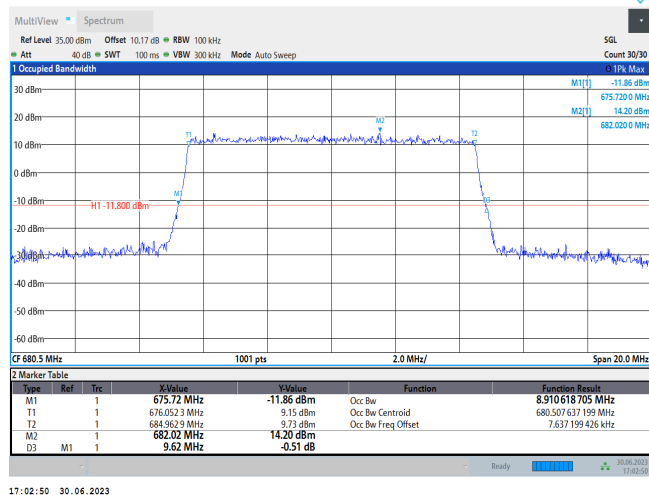
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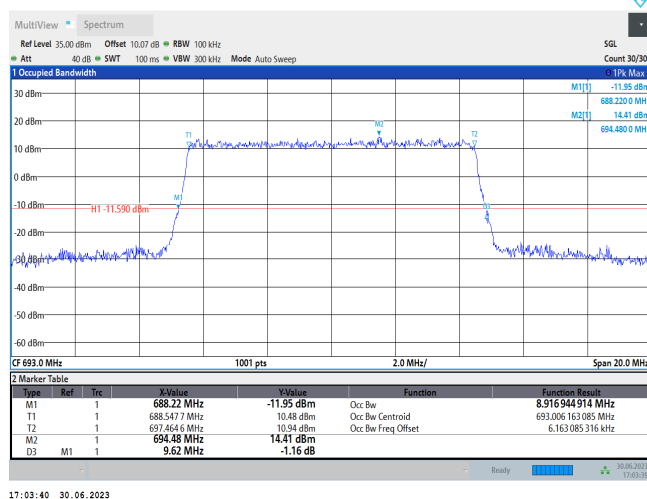
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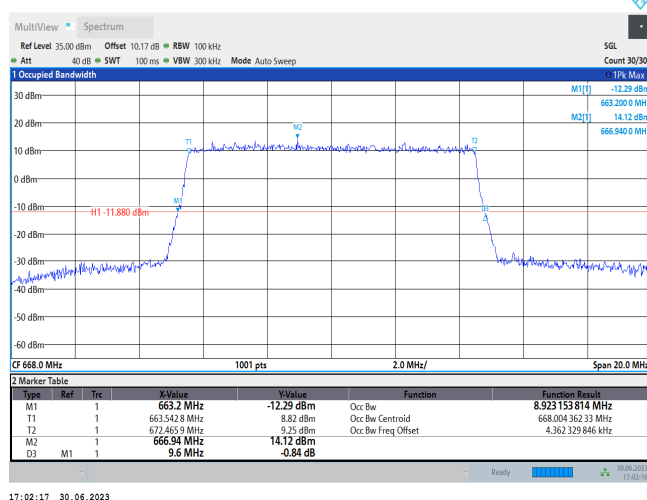
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Band71-10MHz-64QAM-133172-50RB#0

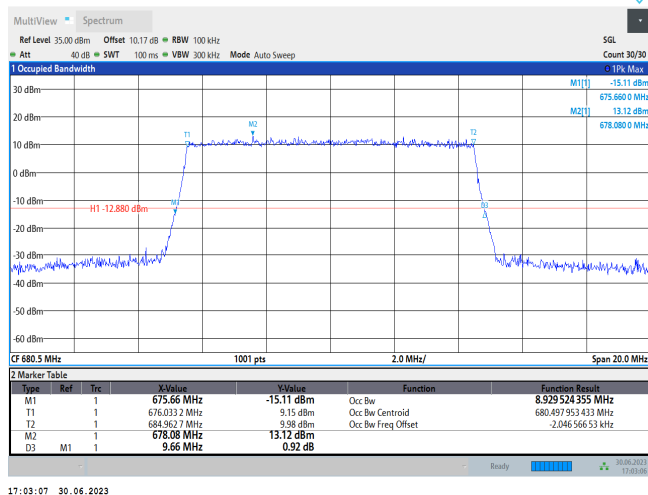


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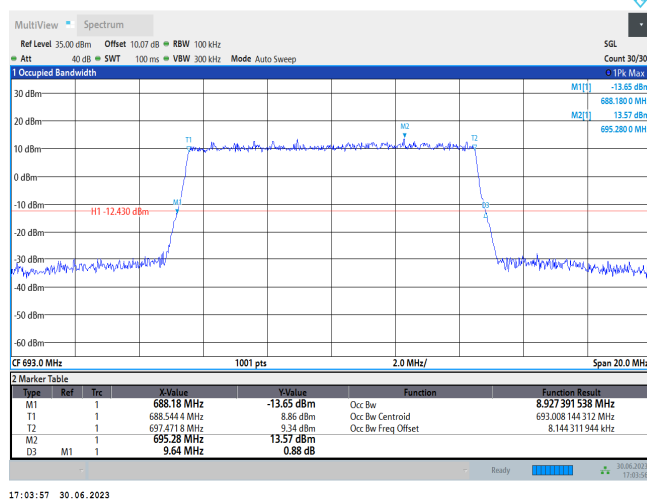
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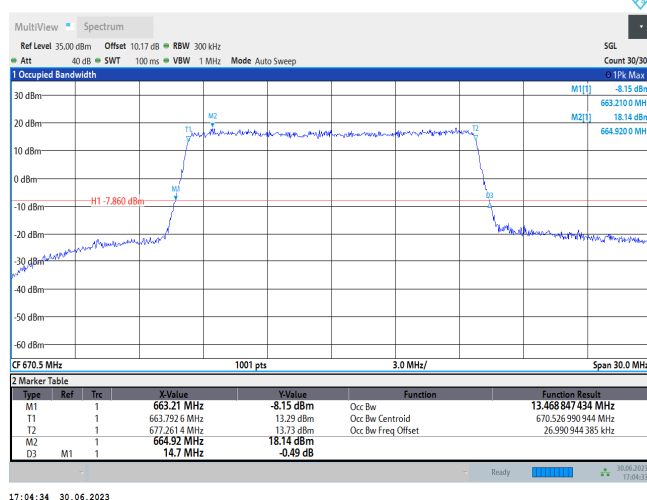
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Band71-15MHz-QPSK-133197-75RB#0

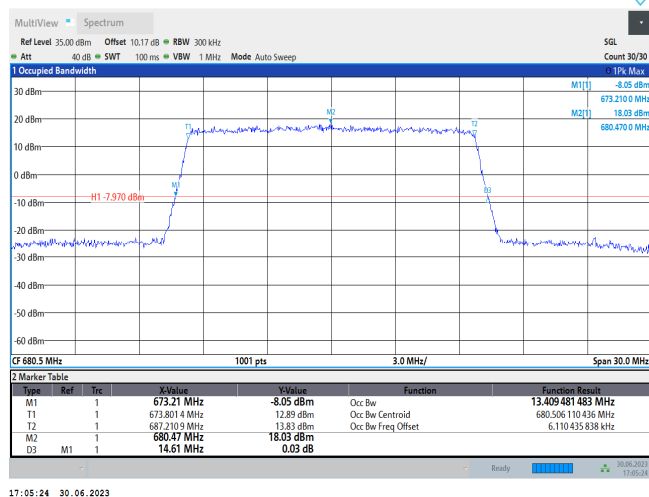


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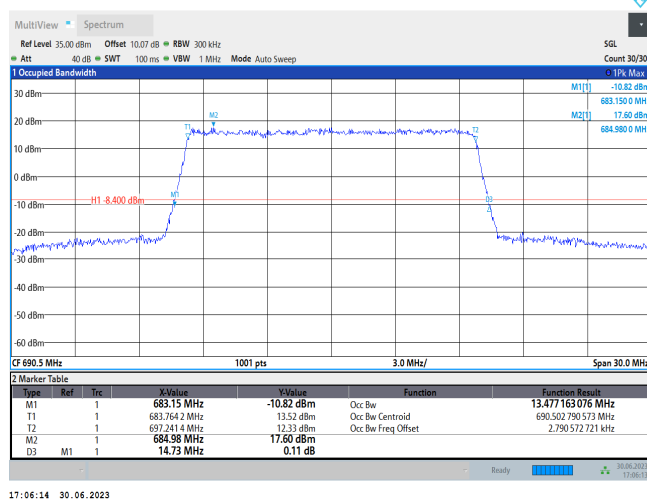
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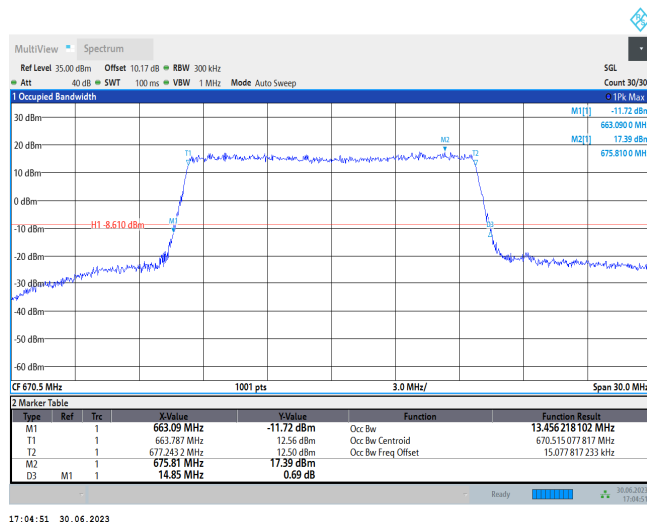
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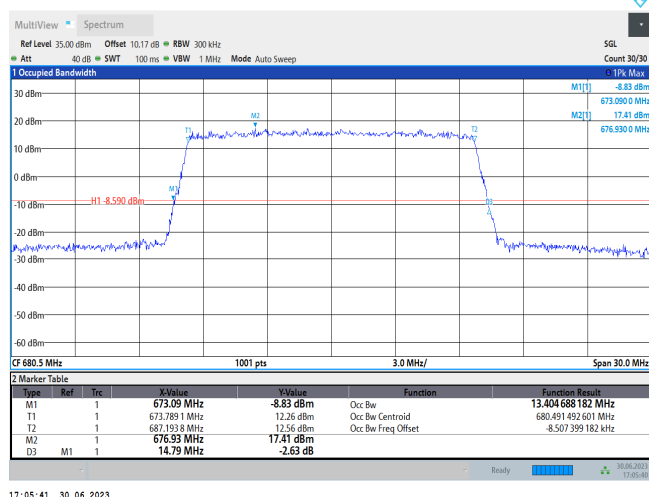
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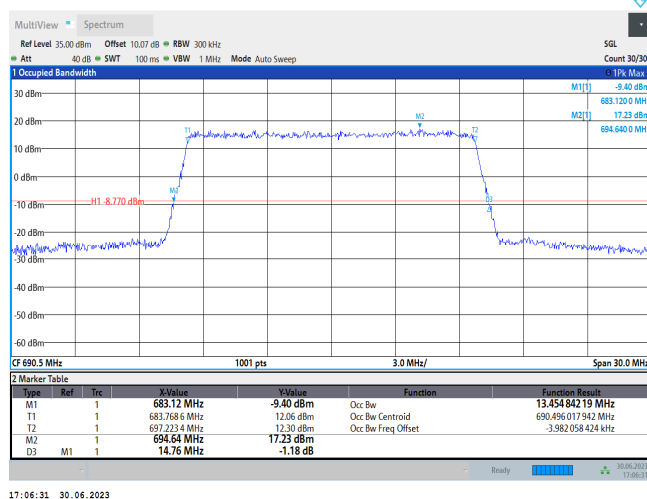


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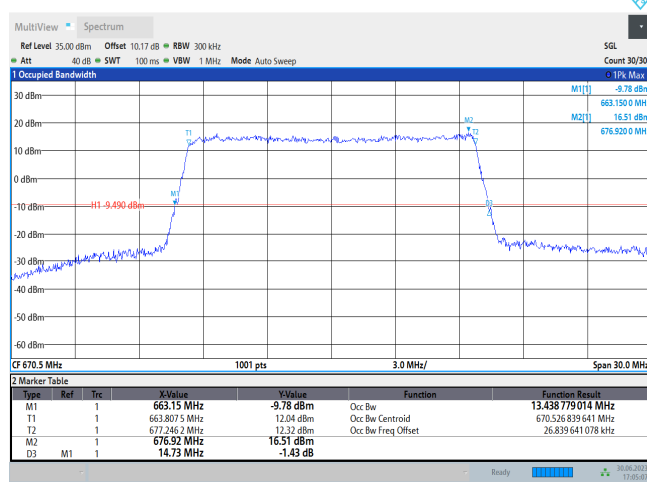
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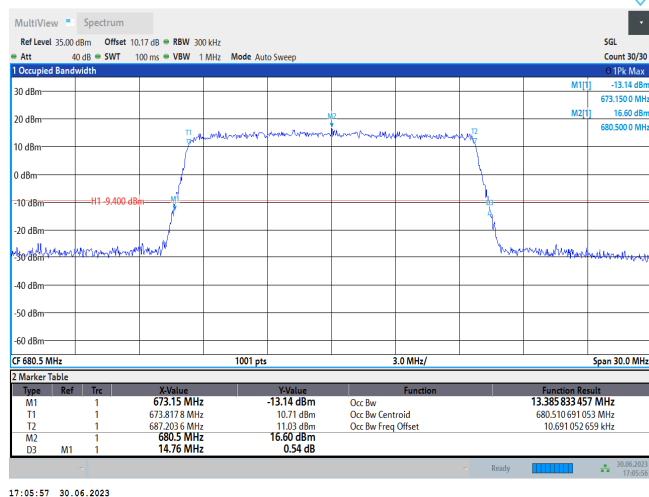
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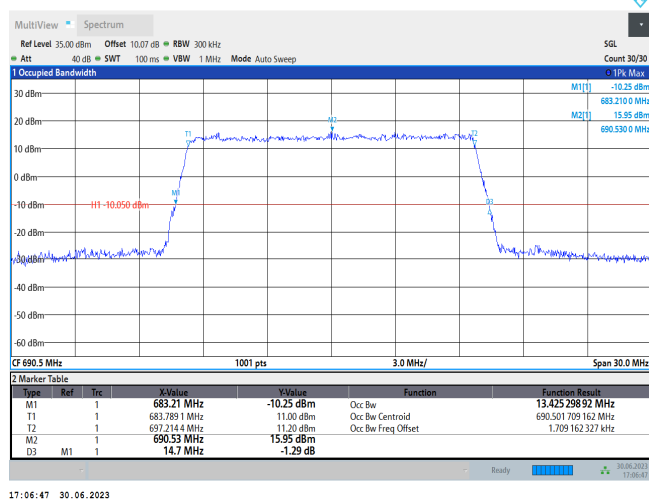


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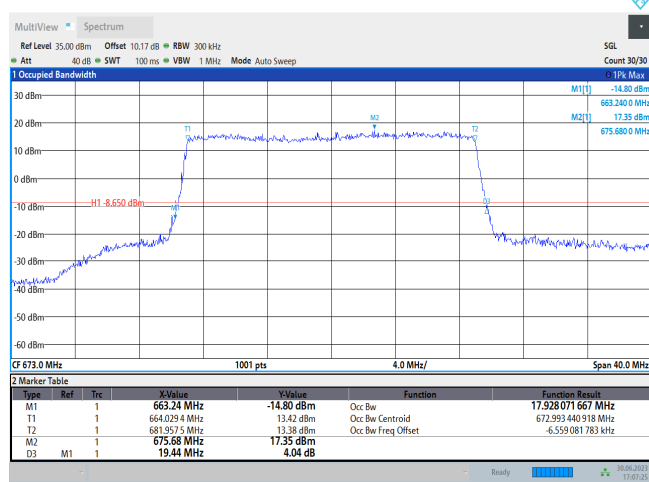
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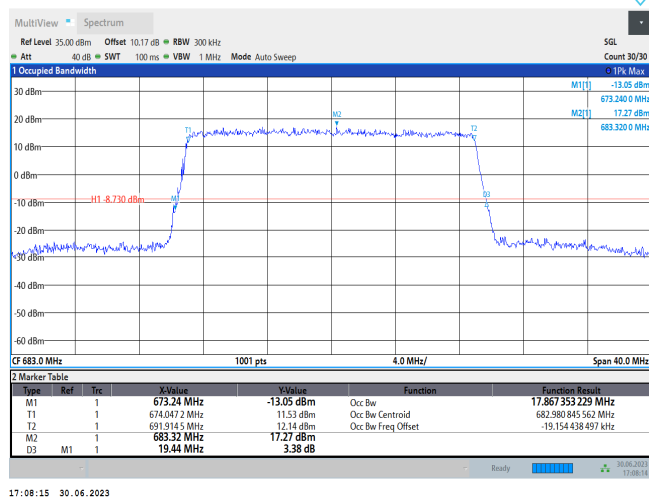
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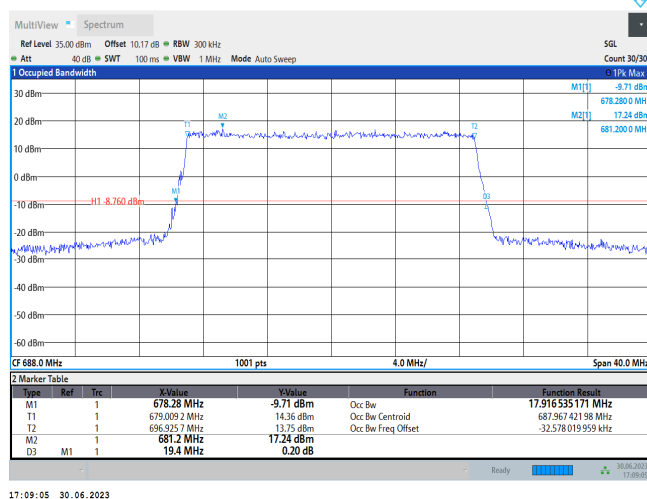
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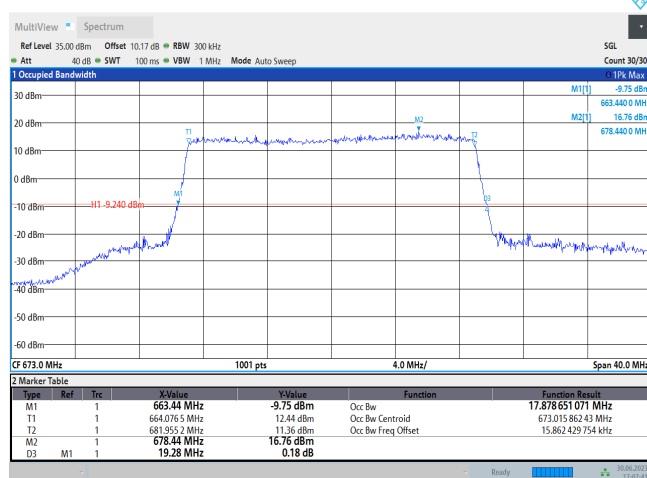
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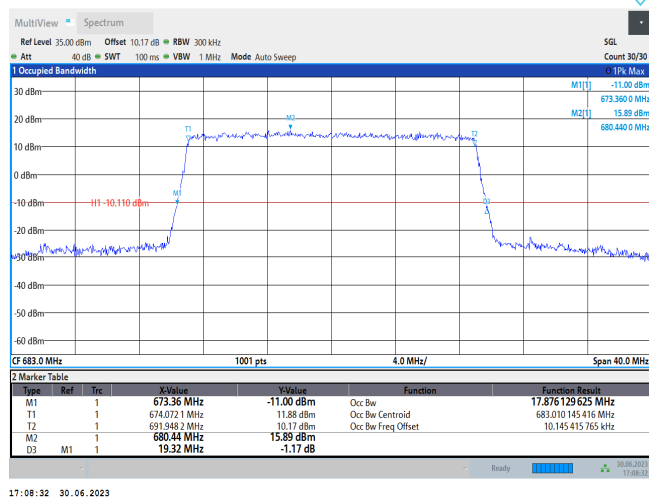
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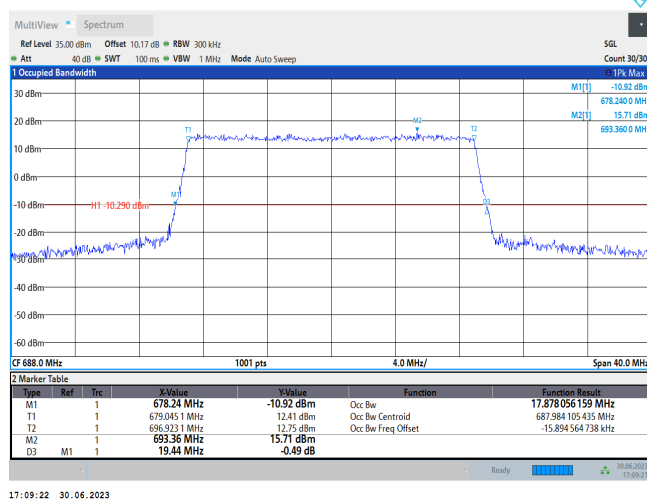


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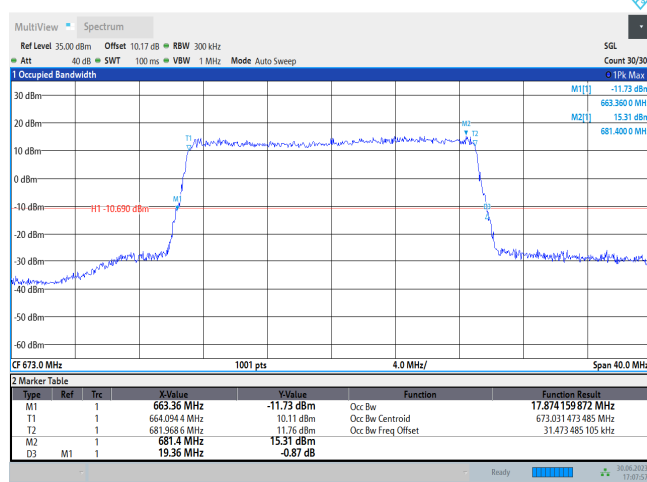
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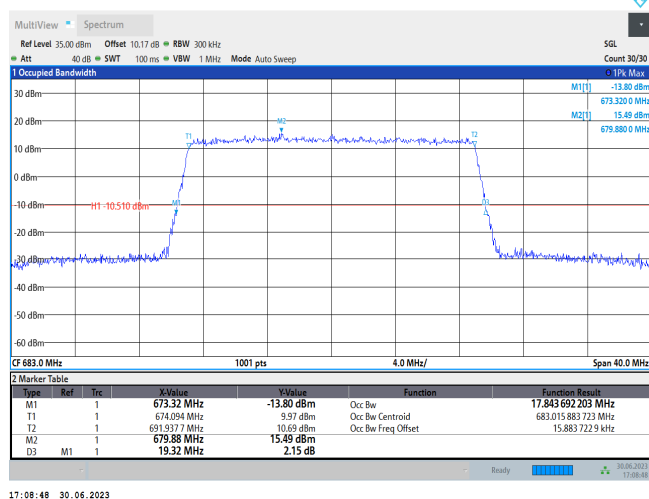
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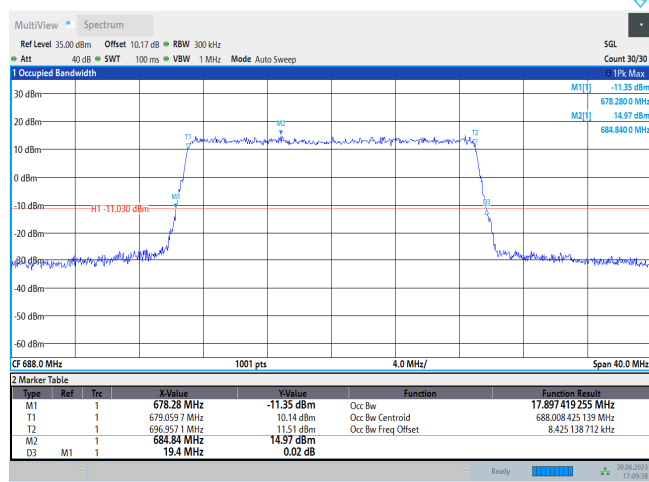
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Band71-20MHz-64QAM-133372-100RB#0



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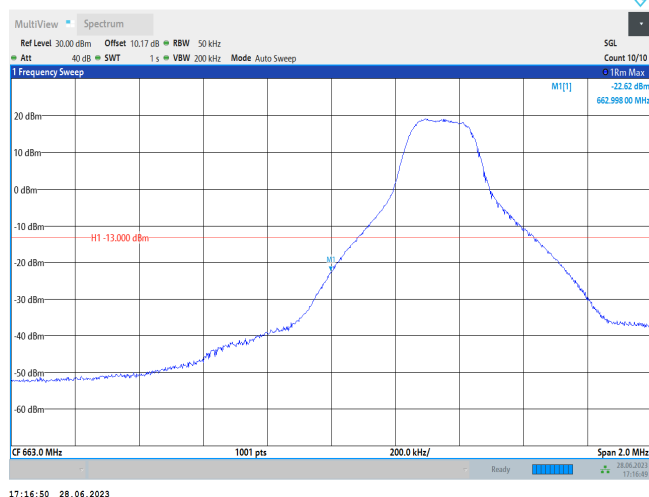
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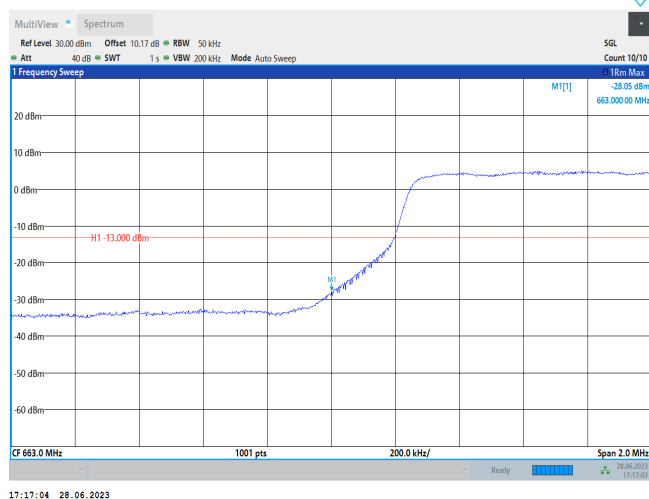
Band Edge

Test Graphs

Band71-5MHz-QPSK-133147-1RB#0



Band71-5MHz-QPSK-133147-25RB#0



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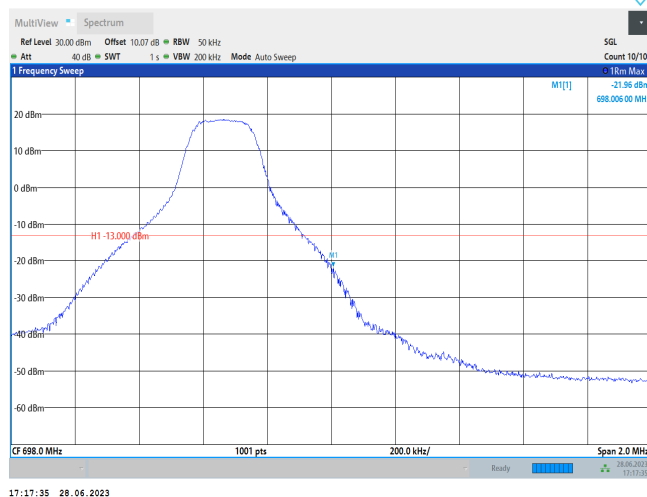
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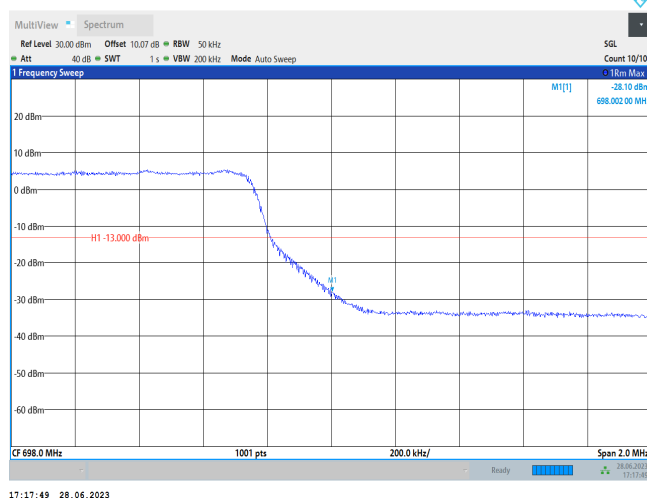
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Band71-5MHz-QPSK-133447-1RB#24



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Band71-5MHz-QPSK-133447-25RB#0



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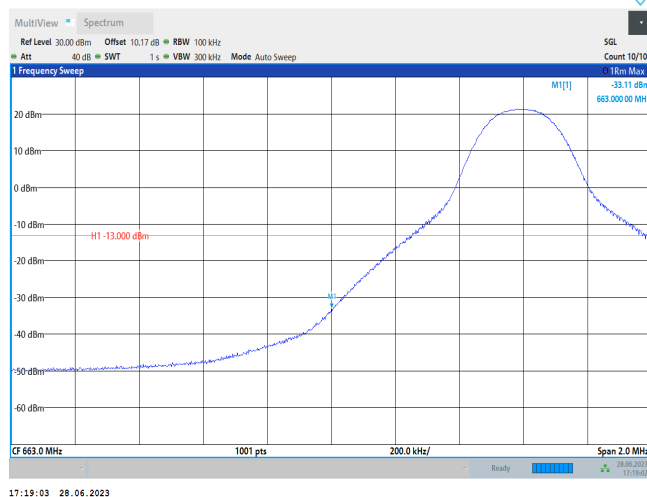
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Band71-10MHz-QPSK-133172-1RB#0



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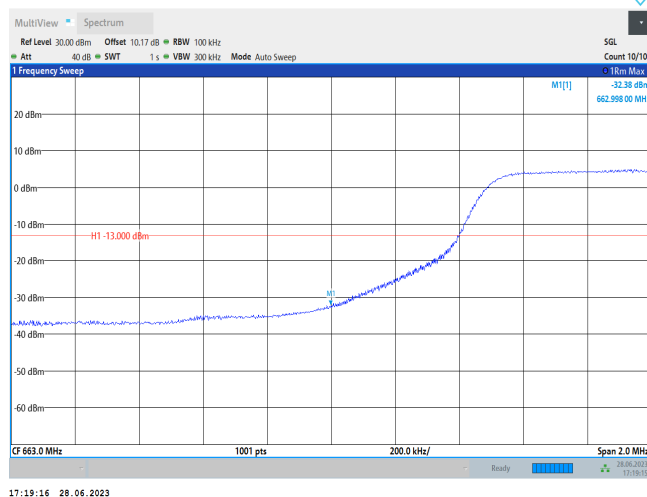
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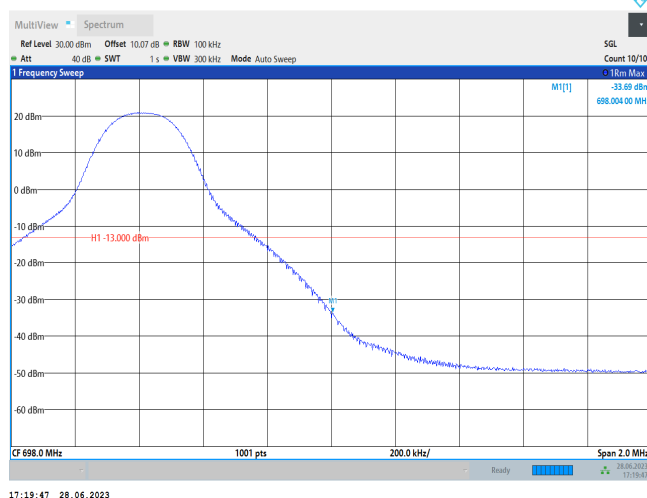
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Band71-10MHz-QPSK-133172-50RB#0



Band71-10MHz-QPSK-133422-1RB#49



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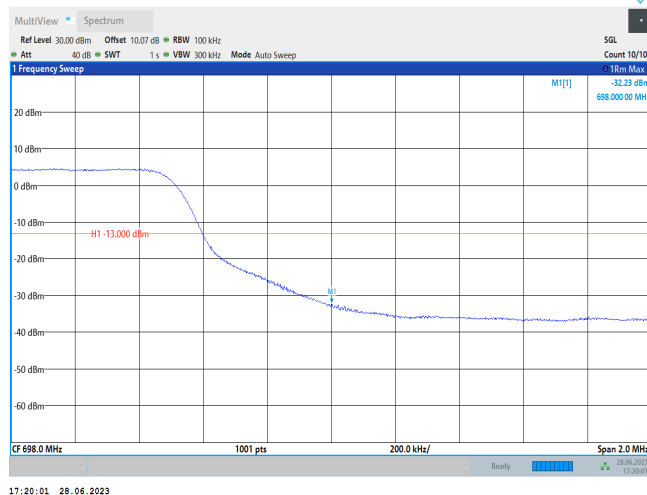
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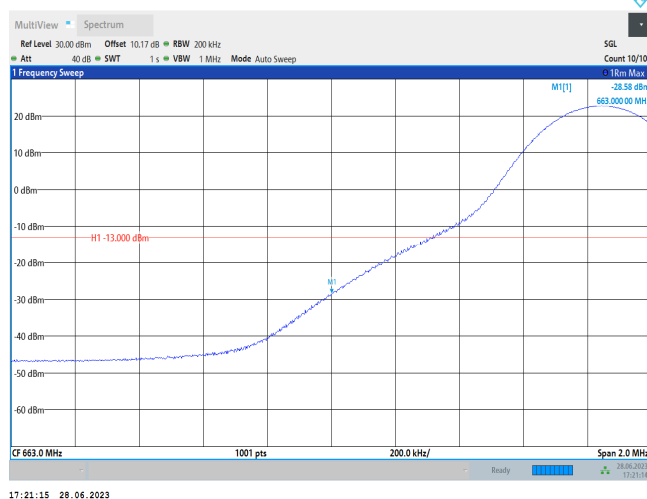
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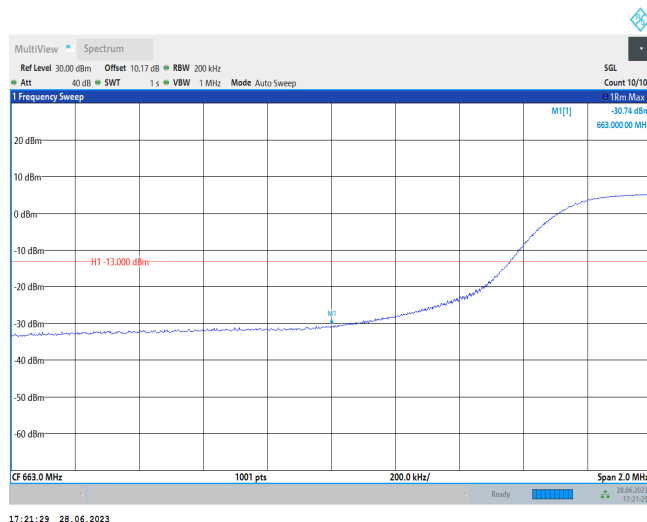
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Band71-15MHz-QPSK-133197-1RB#0



Band71-15MHz-QPSK-133197-75RB#0



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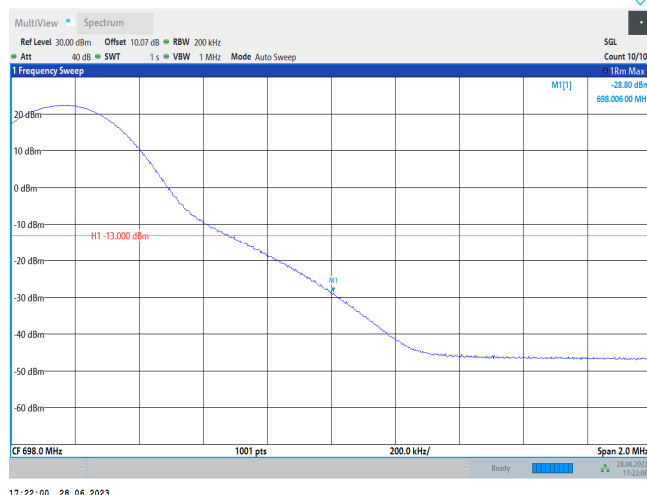
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Band71-15MHz-QPSK-133397-1RB#74



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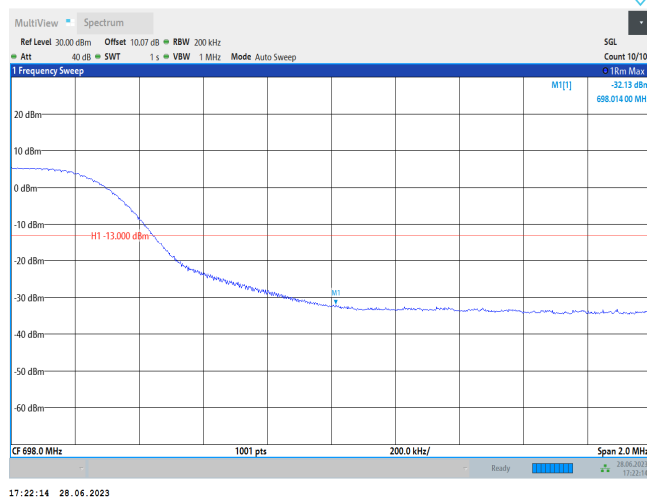
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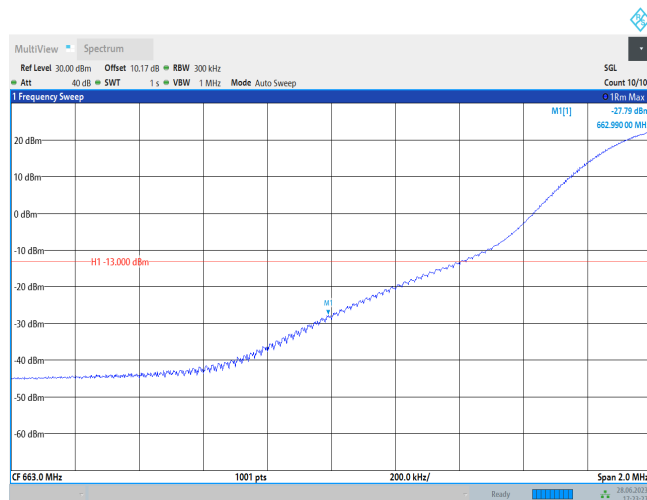
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Band71-15MHz-QPSK-133397-75RB#0



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Band71-20MHz-QPSK-133222-1RB#0



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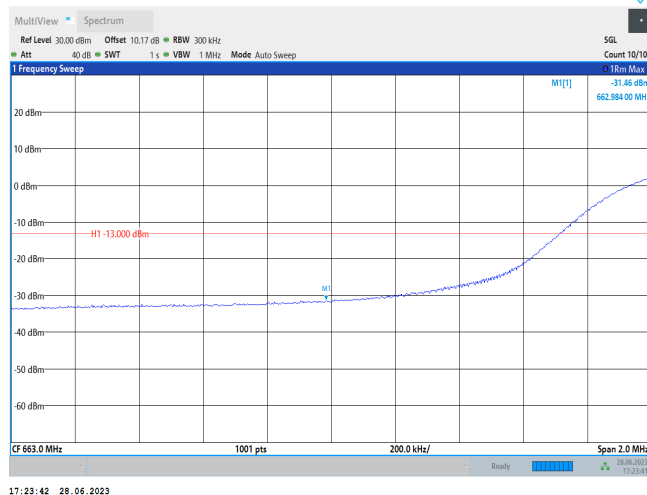
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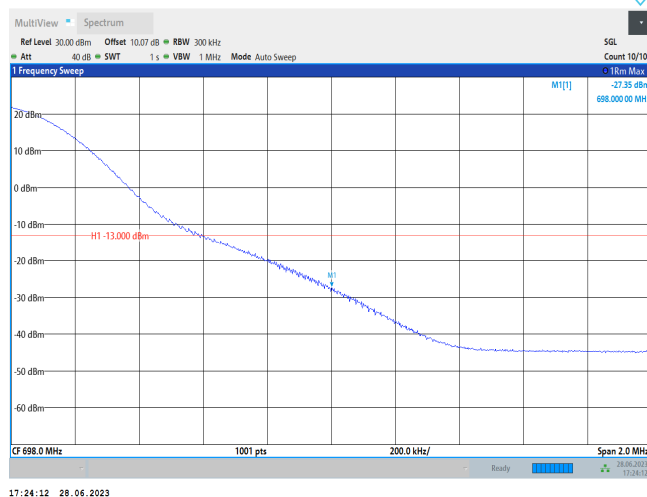
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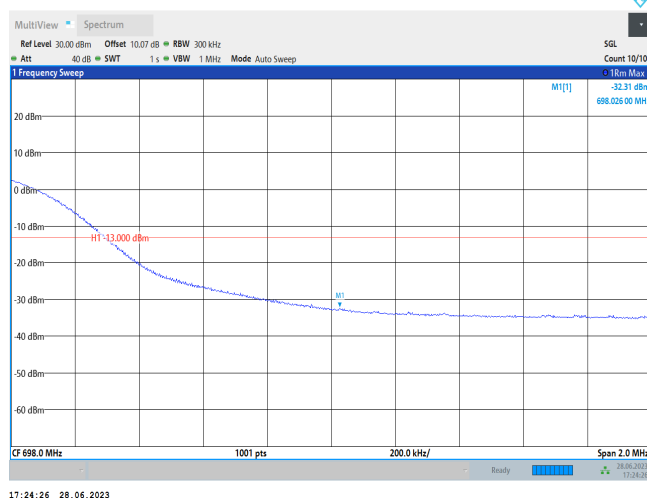
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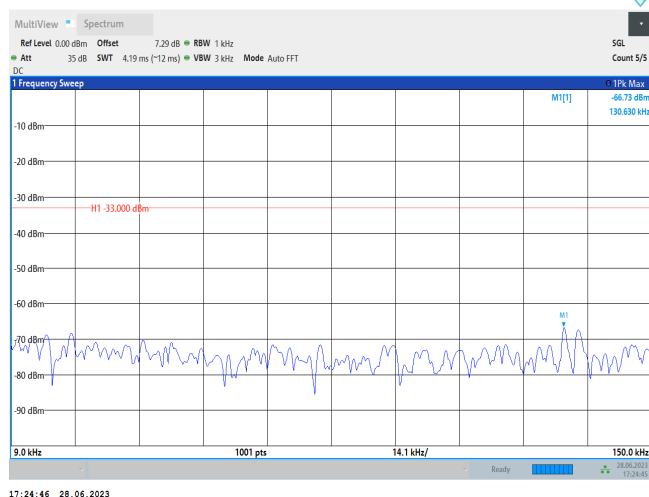
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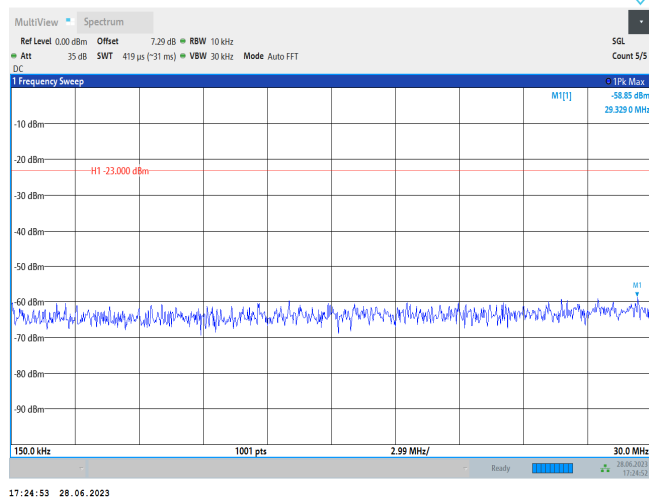
Conducted Spurious Emission

Test Graphs

Band71-20MHz-QPSK-133222-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133222-1RB#0-Range2:0.15~30MHz



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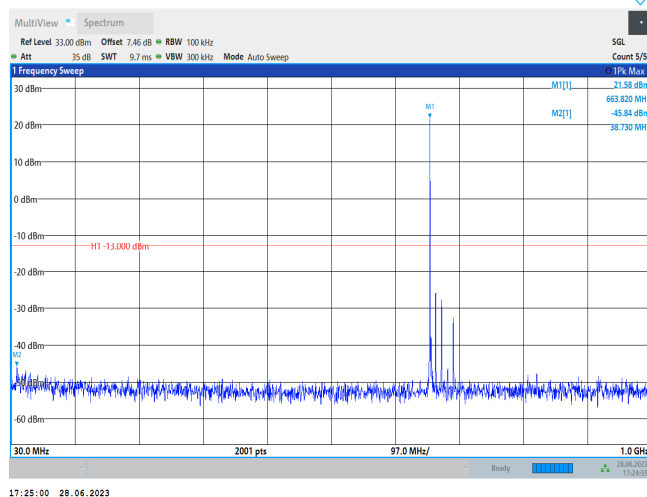
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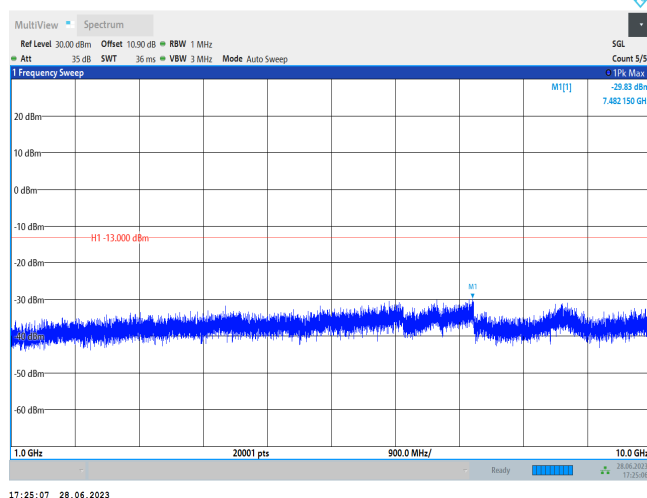
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Band71-20MHz-QPSK-133222-1RB#0-Range3:30~1000MHz



Band71-20MHz-QPSK-133222-1RB#0-Range4:1000~10000MHz



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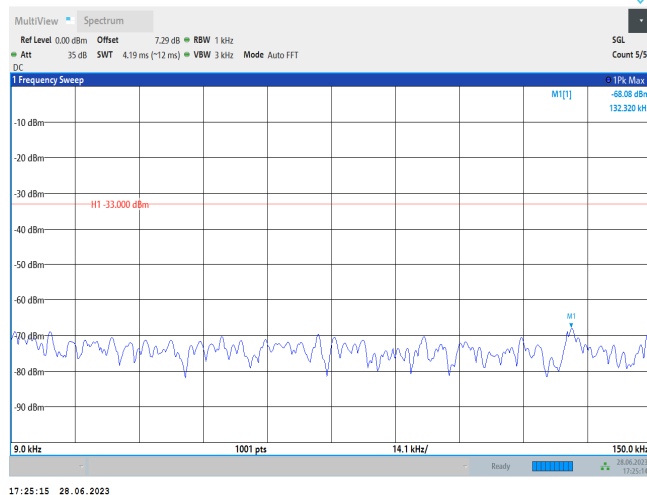


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Band71-20MHz-QPSK-133322-1RB#0-Range1:0.009~0.15MHz



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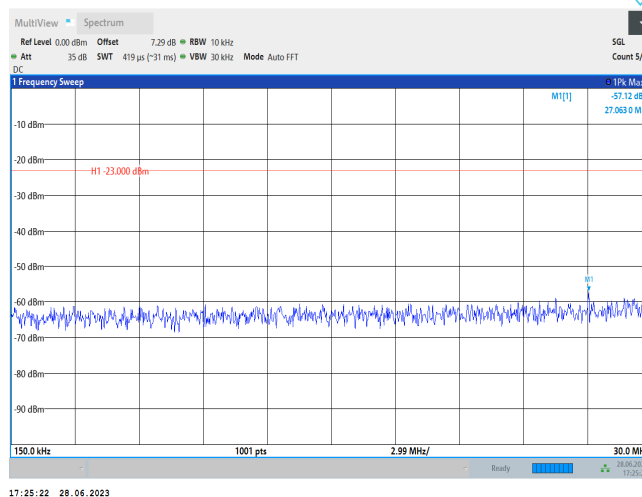
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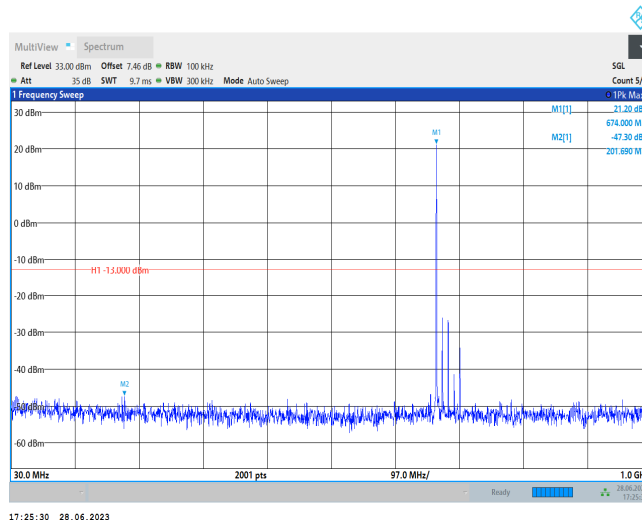
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Band71-20MHz-QPSK-133322-1RB#0-Range2:0.15~30MHz



Band71-20MHz-QPSK-133322-1RB#0-Range3:30~1000MHz



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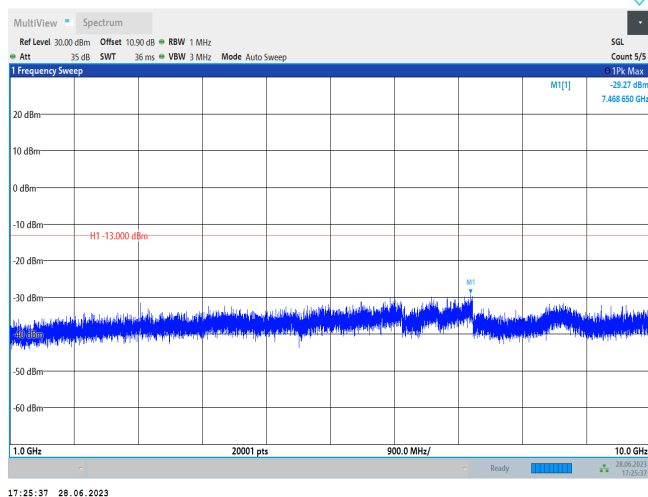
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Band71-20MHz-QPSK-133322-1RB#0-Range4:1000~10000MHz



17:25:37 28.06.2023



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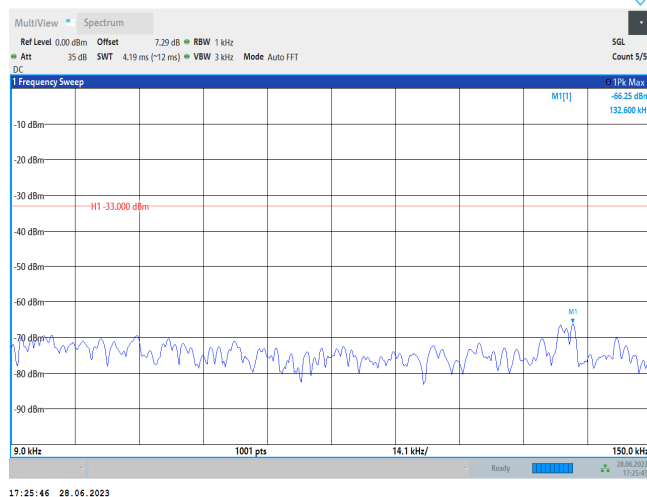
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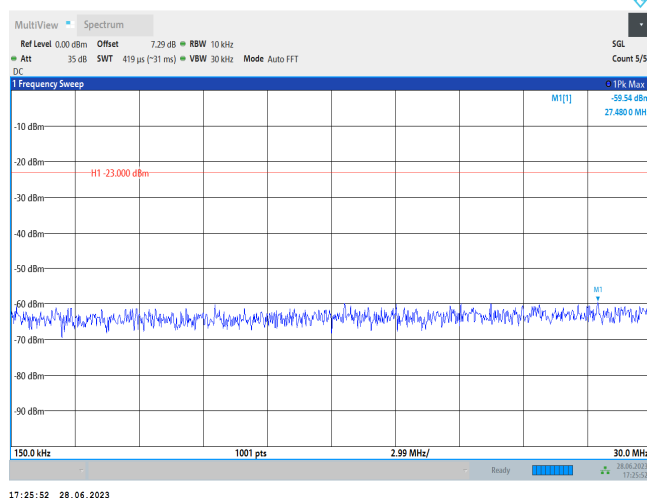
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Band71-20MHz-QPSK-133372-1RB#0-Range1:0.009~0.15MHz



Band71-20MHz-QPSK-133372-1RB#0-Range2:0.15~30MHz



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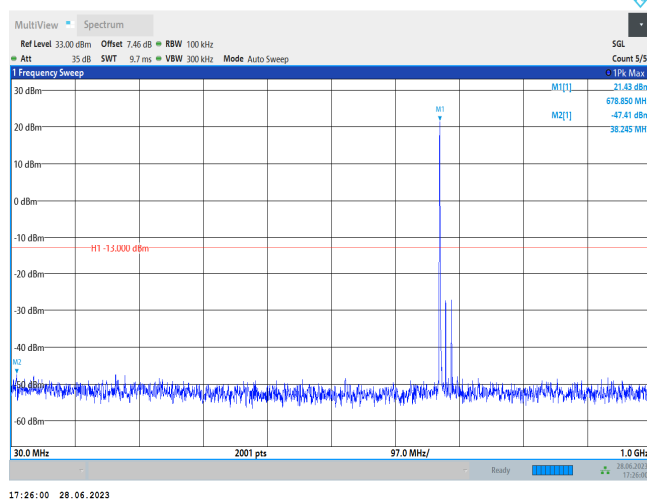
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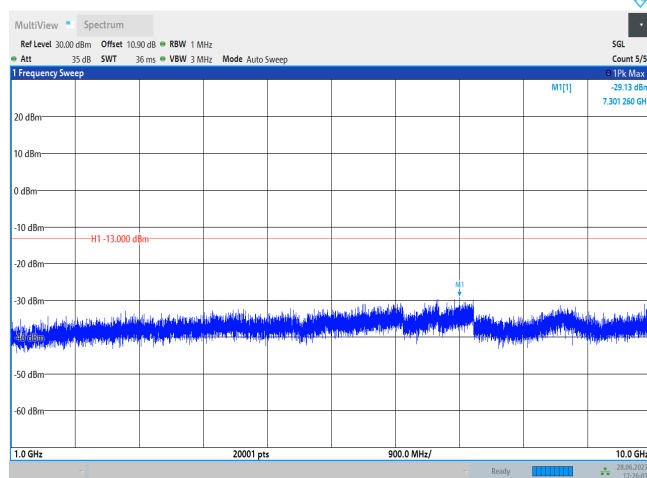
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Band71-20MHz-QPSK-133372-1RB#0-Range3:30~1000MHz



17:26:00 28.06.2023

Band71-20MHz-QPSK-133372-1RB#0-Range4:1000~10000MHz



17:26:07 28.06.2023



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Field Strength of Spurious Radiation

Test Band = LTE_71_TM1_20MHz

Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1327.9731	57.79	-47.74	24.88	-60.33	-13.00	47.33	233	256	Horizontal
2	2449.418	47.87	-46.65	27.60	-66.44	-13.00	53.44	169	99	Horizontal
3	3444.1378	47.32	-45.50	28.86	-64.58	-13.00	51.58	178	64	Horizontal
4	4389.8956	47.57	-43.23	30.06	-60.86	-13.00	47.86	119	269	Horizontal
5	7364.3346	44.95	-38.50	36.56	-52.25	-13.00	39.25	206	37	Horizontal
6	9394.4558	42.93	-35.51	37.31	-50.53	-13.00	37.53	334	148	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1328.3331	56.39	-47.74	24.88	-61.73	-13.00	48.73	288	46	Vertical
2	1992.1997	51.29	-46.94	26.34	-64.57	-13.00	51.57	114	324	Vertical
3	2762.6305	47.51	-46.11	28.15	-65.71	-13.00	52.71	306	140	Vertical
4	5682.3473	46.87	-41.36	32.50	-57.25	-13.00	44.25	227	69	Vertical
5	7867.2747	44.09	-37.62	36.70	-52.09	-13.00	39.09	179	91	Vertical
6	9485.8994	44.12	-35.75	37.72	-49.17	-13.00	36.17	203	284	Vertical



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Test Band = LTE_71_TM1_20MHz
Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1348.1339	49.90	-47.64	25.08	-67.92	-13.00	54.92	214	170	Horizontal
2	2016.3207	48.77	-46.92	26.43	-66.98	-13.00	53.98	104	72	Horizontal
3	2847.9539	48.03	-46.03	28.30	-64.96	-13.00	51.96	189	94	Horizontal
4	4780.1512	47.90	-42.90	30.68	-59.58	-13.00	46.58	289	76	Horizontal
5	6690.7476	46.01	-39.99	35.06	-54.18	-13.00	41.18	365	336	Horizontal
6	9993.8798	43.92	-35.66	38.69	-48.31	-13.00	35.31	187	237	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1348.1339	50.45	-47.64	25.08	-67.37	-13.00	54.37	214	58	Vertical
2	1869.4348	48.98	-47.17	25.52	-67.93	-13.00	54.93	398	268	Vertical
3	2518.1807	49.56	-46.60	27.80	-64.50	-13.00	51.50	124	310	Vertical
4	3924.397	49.12	-44.30	29.80	-60.64	-13.00	47.64	267	108	Vertical
5	5867.3947	47.92	-41.15	32.67	-55.82	-13.00	42.82	174	230	Vertical
6	9911.0764	43.86	-35.33	38.61	-48.12	-13.00	35.12	321	126	Vertical



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Test Band = LTE_71_TM1_20MHz
Test Channel = HCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1358.2143	50.28	-47.59	25.07	-67.50	-13.00	54.50	120	242	Horizontal
2	2321.9729	48.66	-46.63	27.32	-65.91	-13.00	52.91	178	161	Horizontal
3	3000.24	47.89	-45.67	28.60	-64.44	-13.00	51.44	248	54	Horizontal
4	4783.3913	48.20	-42.89	30.70	-59.25	-13.00	46.25	348	32	Horizontal
5	7049.322	45.80	-39.30	36.19	-52.57	-13.00	39.57	260	103	Horizontal
6	8758.6703	43.93	-36.12	36.75	-50.70	-13.00	37.70	197	103	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	1357.8543	51.14	-47.60	25.07	-66.65	-13.00	53.65	364	38	Vertical
2	1782.3113	50.80	-47.35	25.26	-66.55	-13.00	53.55	288	47	Vertical
3	2518.5407	56.66	-46.59	27.80	-57.39	-13.00	44.39	210	292	Vertical
4	3906.7563	49.39	-44.38	29.73	-60.52	-13.00	47.52	312	248	Vertical
5	6076.9231	47.44	-40.51	33.45	-54.88	-13.00	41.88	188	136	Vertical
6	7444.9778	45.70	-38.36	36.79	-51.13	-13.00	38.13	164	221	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	-2.06	-0.003016	PASS
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	-6.49	-0.009502	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	3.58	0.005242	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	2.88	0.004217	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	-1.83	-0.002679	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	-4.15	-0.006076	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	-4.49	-0.006574	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	3.16	0.004627	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	-4.21	-0.006164	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	3.05	0.004466	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	-4.61	-0.006750	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	-4.12	-0.006032	PASS

---End of Attachment---



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